



Title: **Tryptase Substrates and Assay for Tryptase Activity Using Same**
Applicant: **NILES et al.**
Serial No: **09/955,639**
Filed Docket No.: **34506.115**

THE SHECTER & BERGER NOMENCLATURE

Substrate
Enzyme

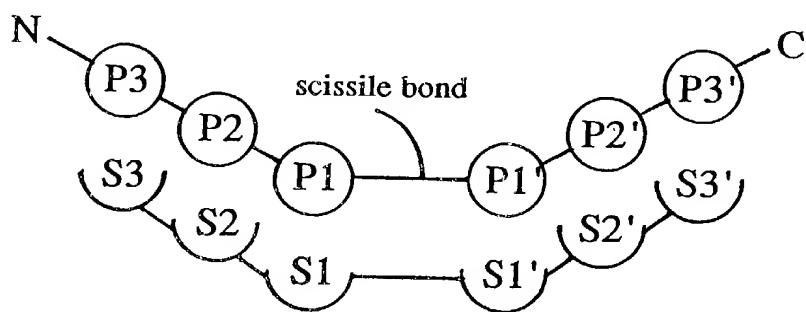


Fig. 1

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**Human β -I Tryptase
P1-Diverse Library Ac-X4-ACC**

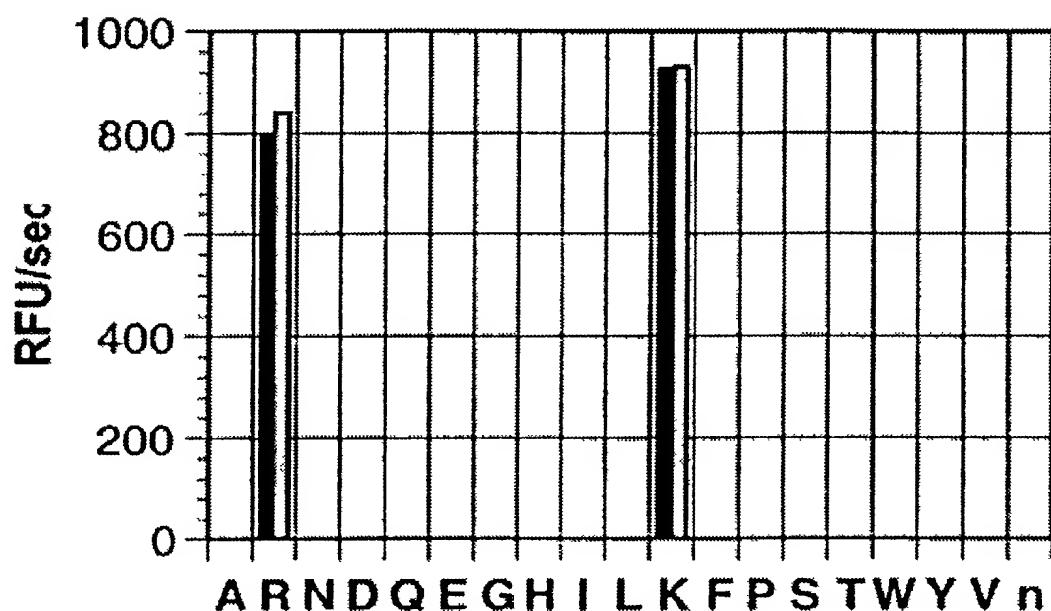


Fig. 2

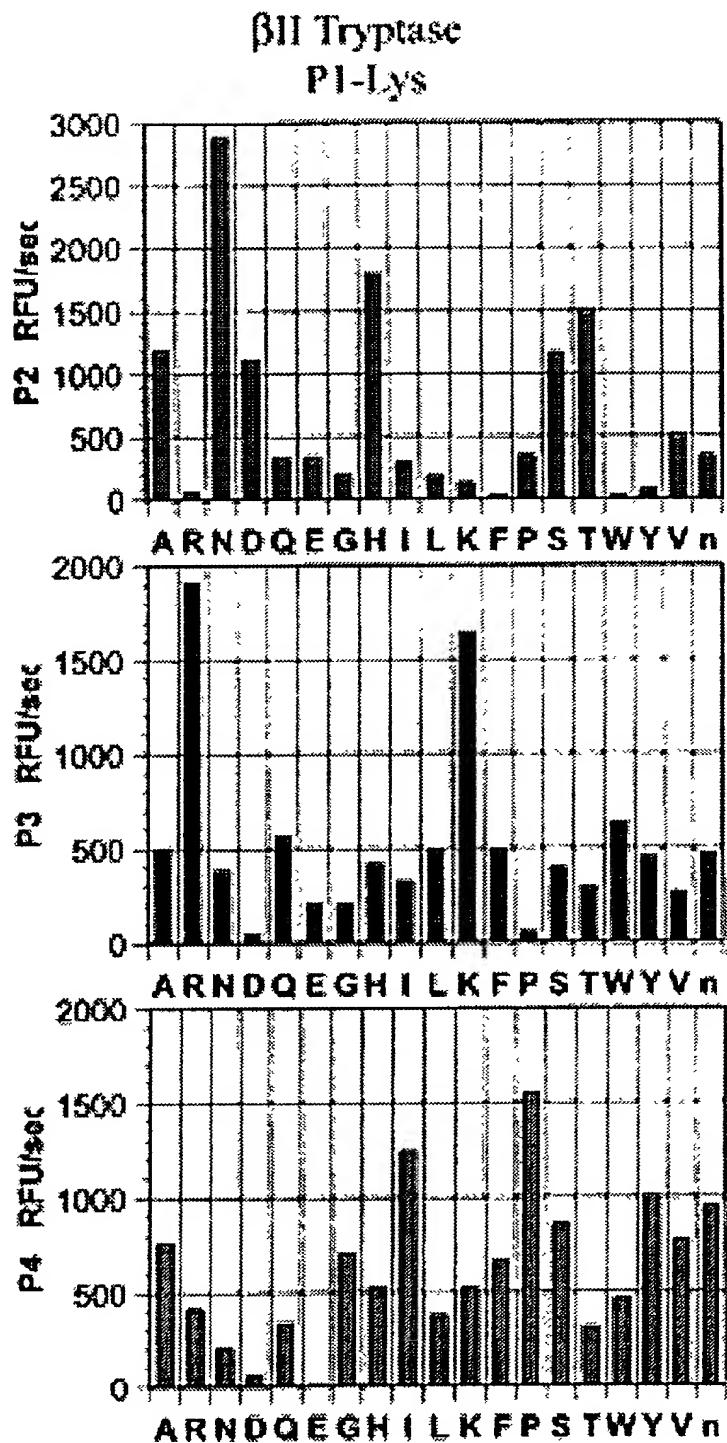


Fig. 3a

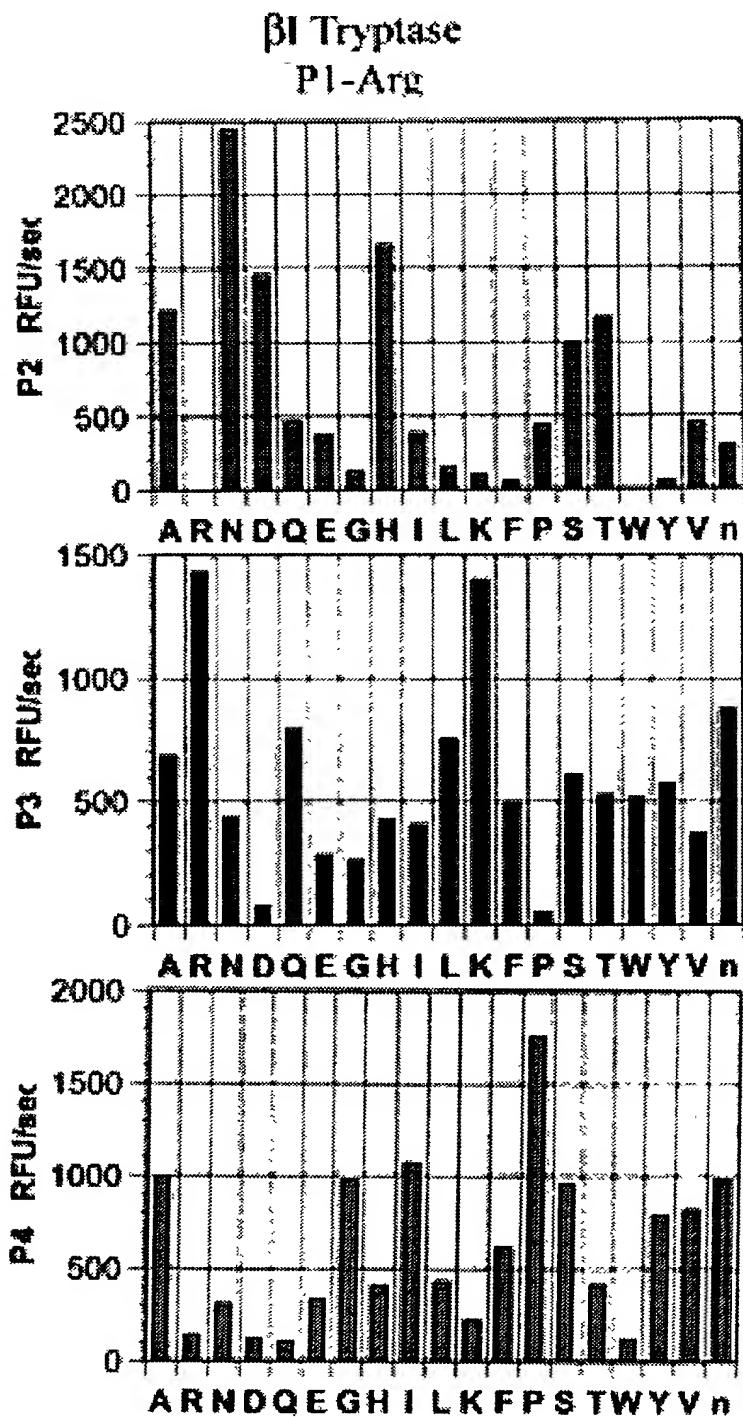


Fig. 3b

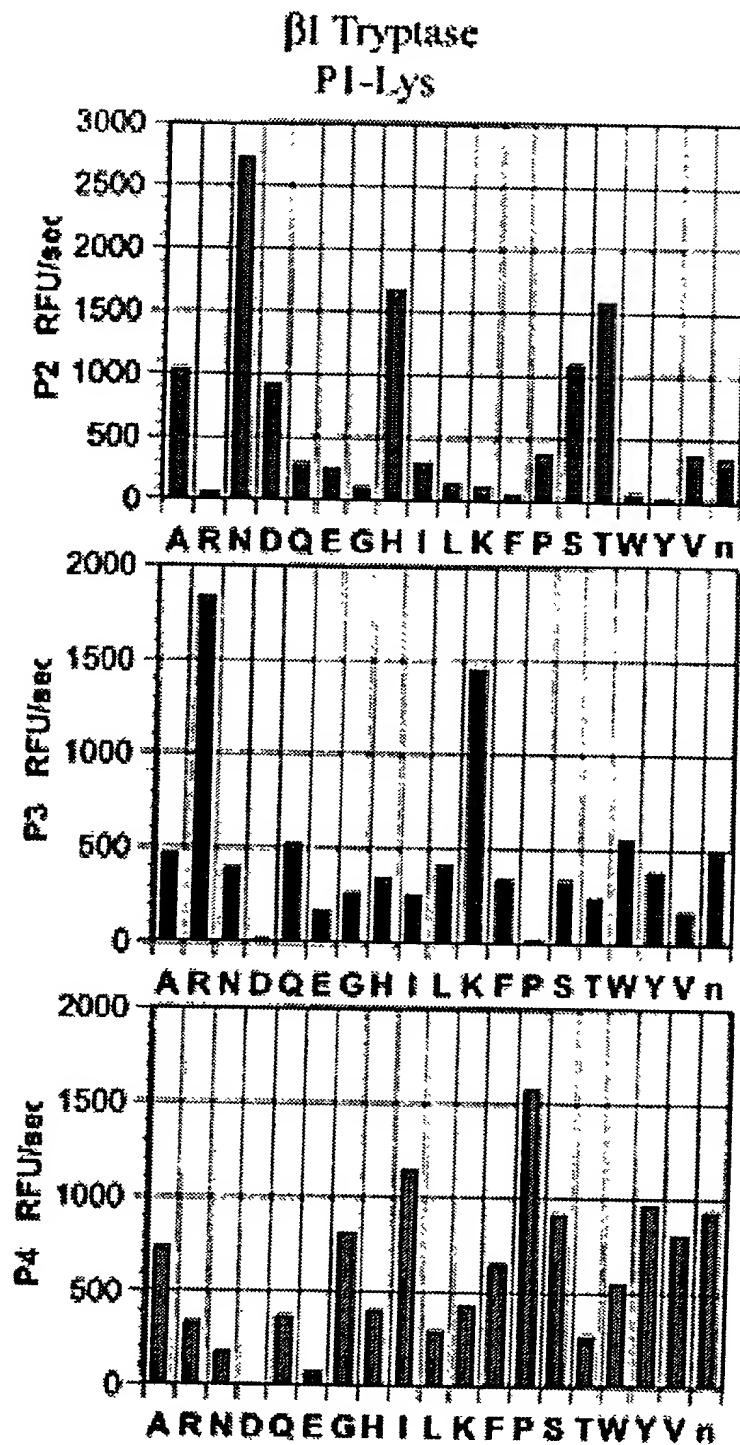


Fig. 4a

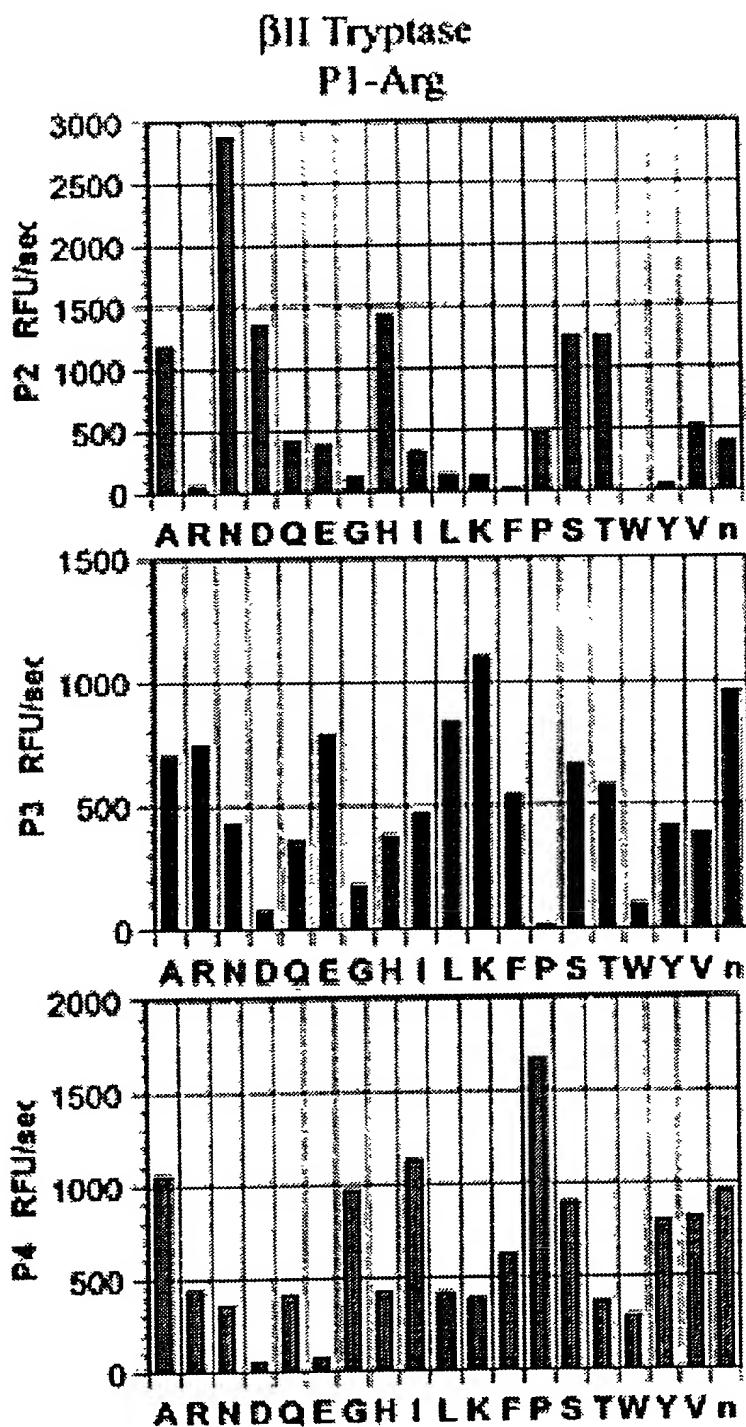


Fig. 4b

Ac-PRNK-ACC as an Optimized Tryptase Substrate (Tryptase v. Factor Xa v. Human thrombin)

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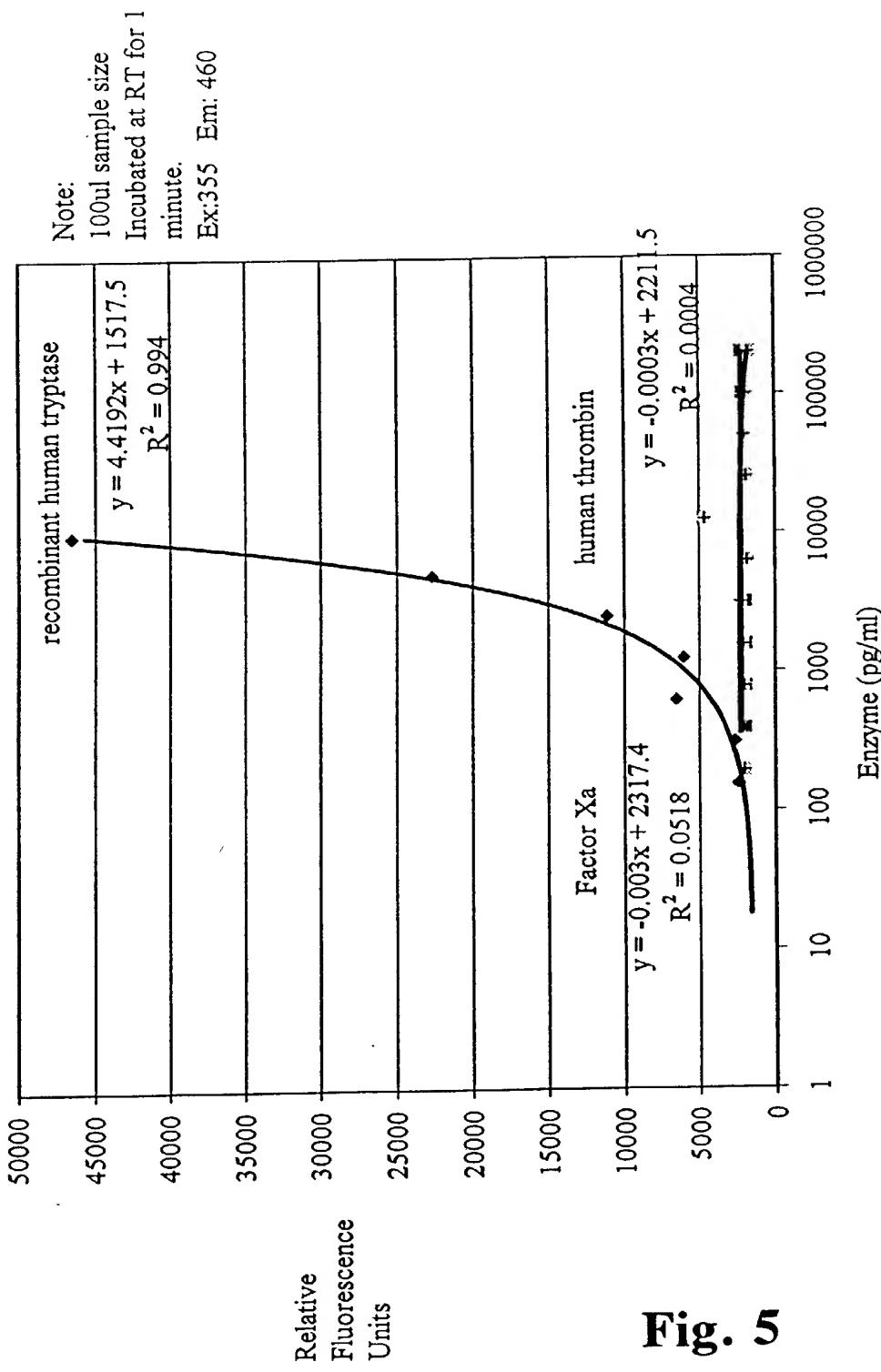


Fig. 5

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Fluorometric Tryptase Activity Assay Using Ac-PRNK-ACC in Spiked Assay Buffer

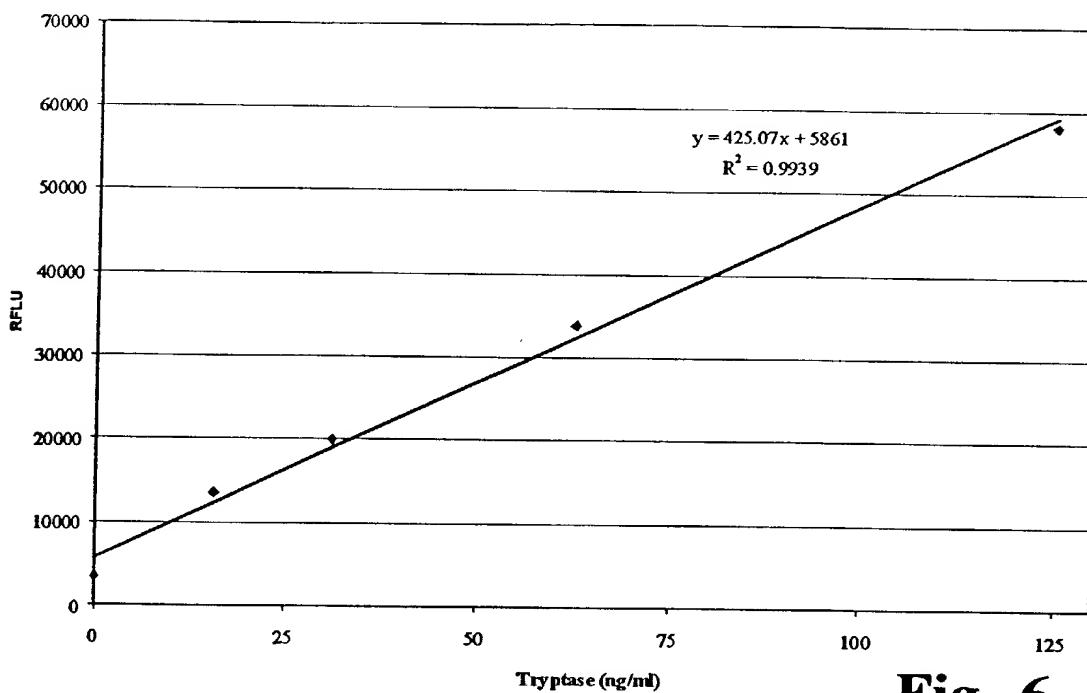


Fig. 6

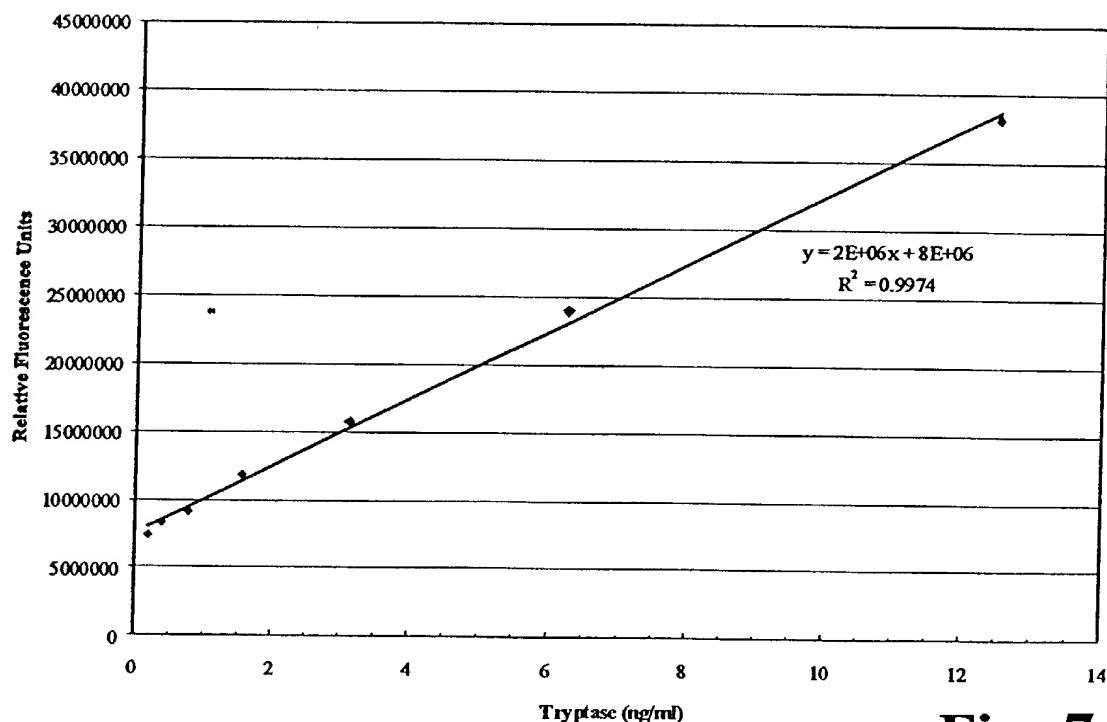


Fig. 7

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Use of Ac-PRNK-ACCC as a Fluorometric Tryptase Substrate

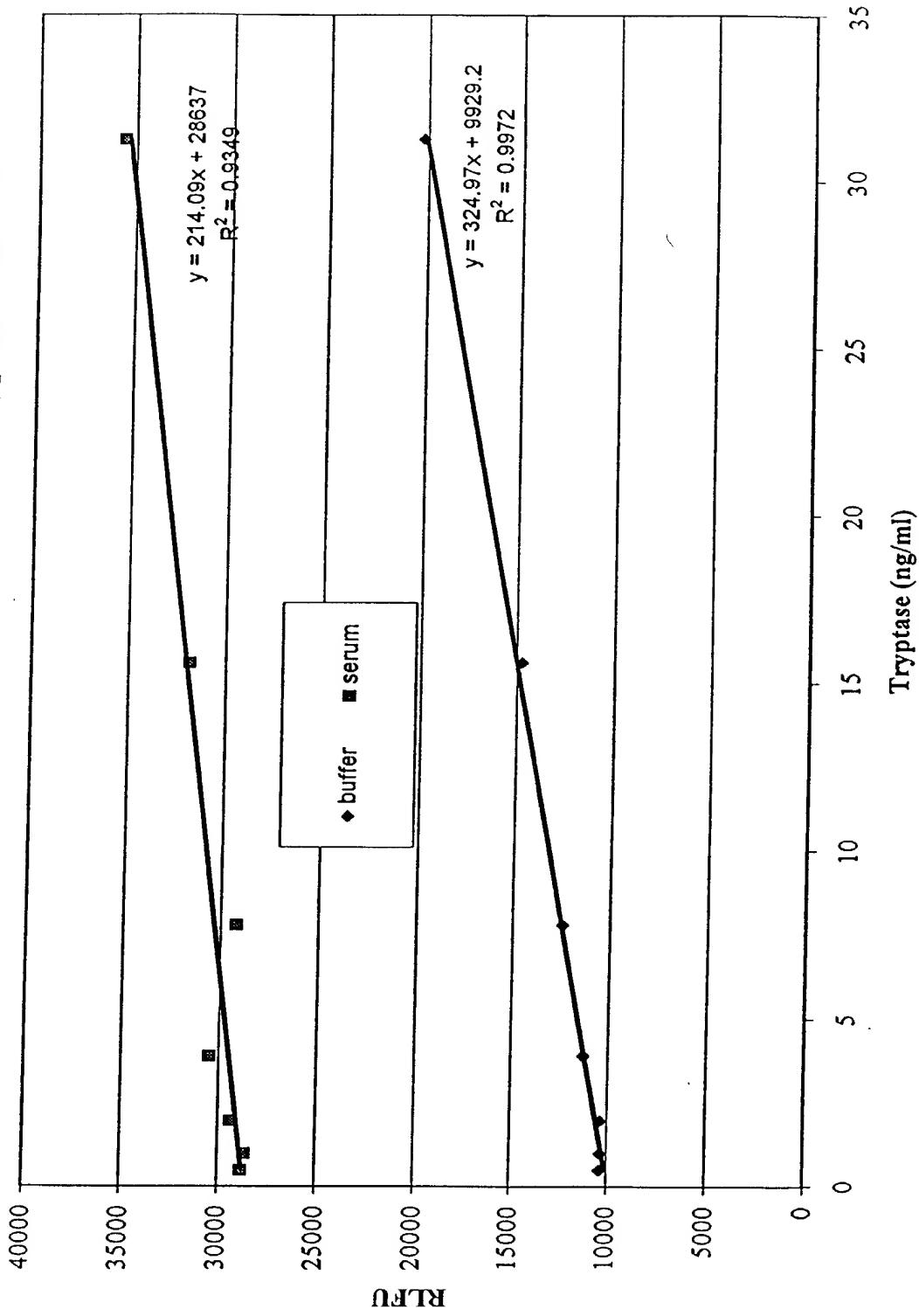


Fig. 8

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Exogenously Added Protease Inhibitors:
Effects on Ac-PRNK-ACC based Tryptase Activity Assay

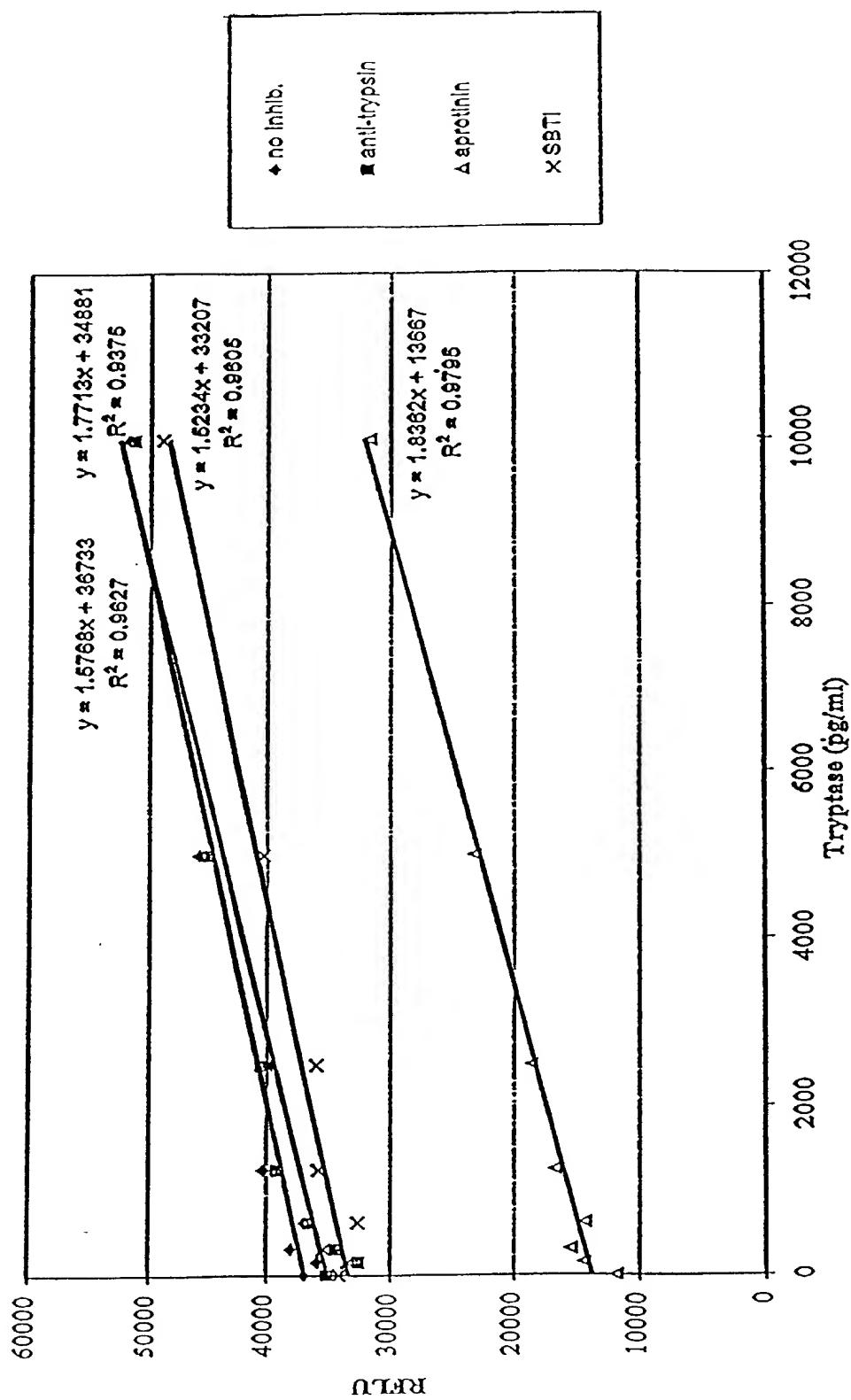


Fig. 9

Title Tryptase Substrates and Assay Methods
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Aprotinin Treated, Tryptase Standard Curves
(Serum v. Buffer)

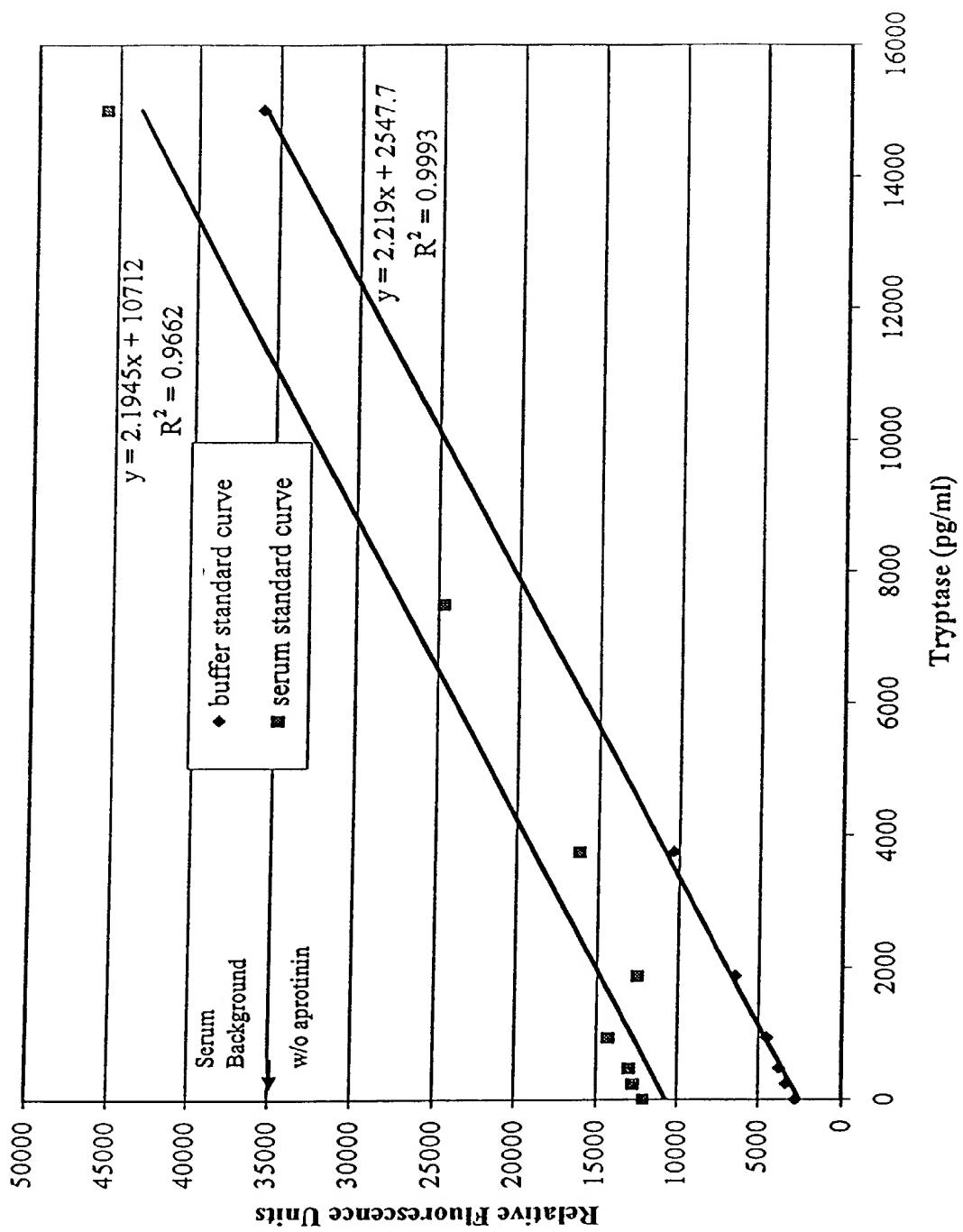


Fig. 10

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**Tryptase Quantitation in Urine
(Aprotinin Treated v. Uninhibited Samples)**

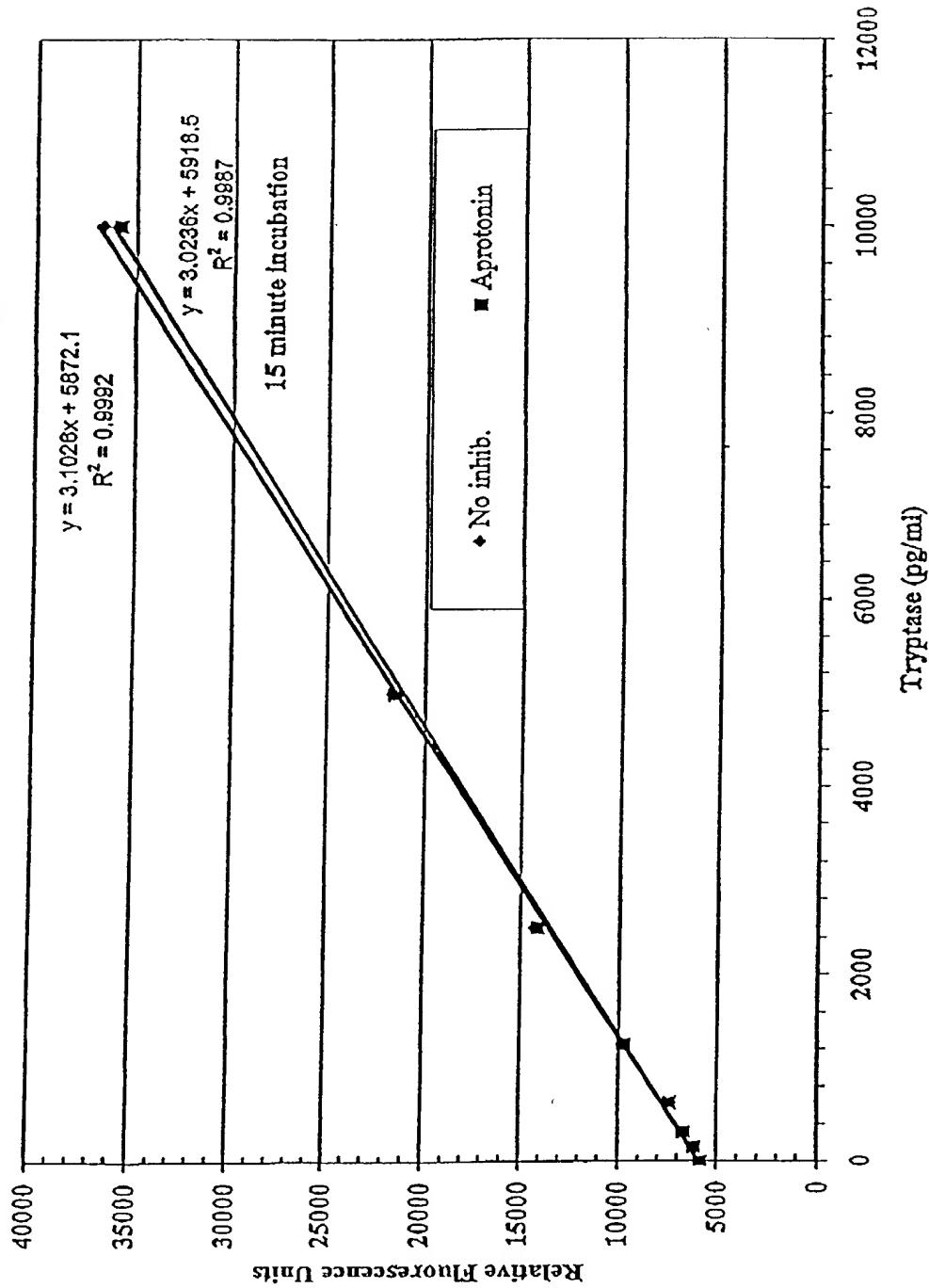


Fig. 11

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**Enzymatic Inhibition of
r h skin I β tryptase**

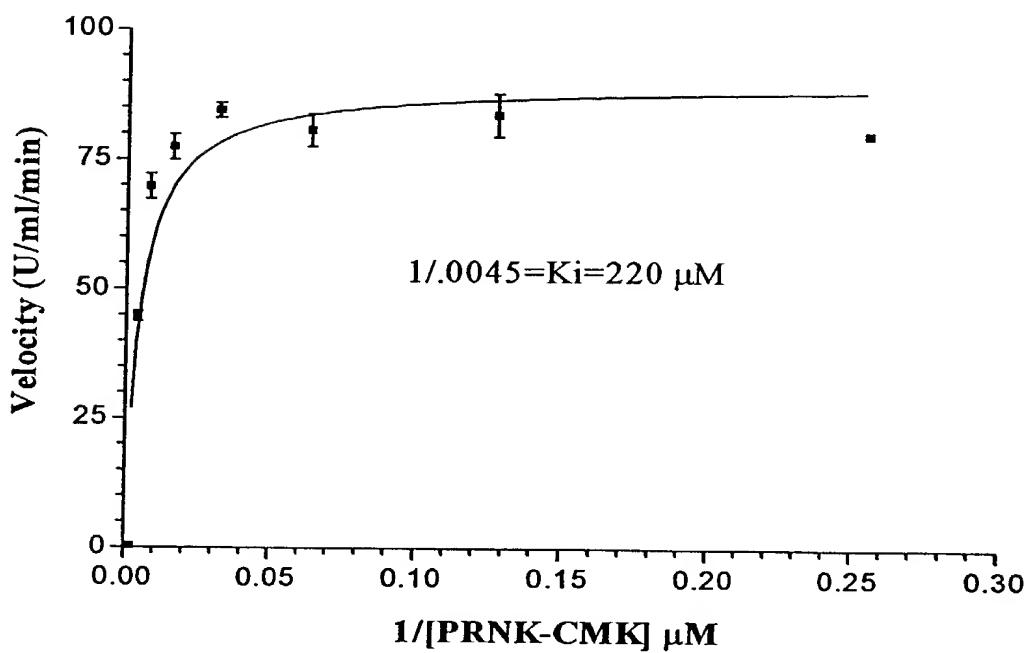


Fig. 12

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**Enzymatic Inhibition of r hu lung β tryptase
by PRNK-CMK**

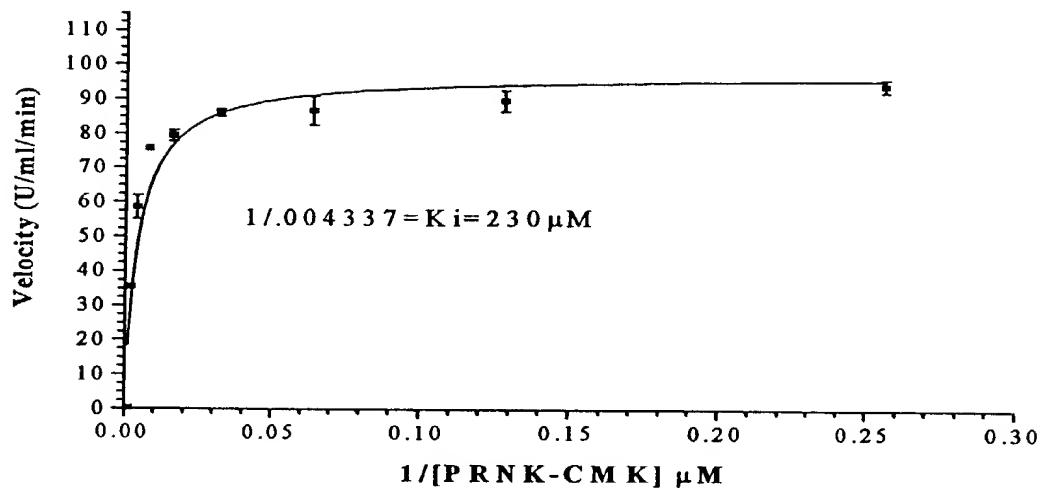


Fig. 13

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**Enzymatic Inhibition of Factor Xa
by PRNK-CMK**

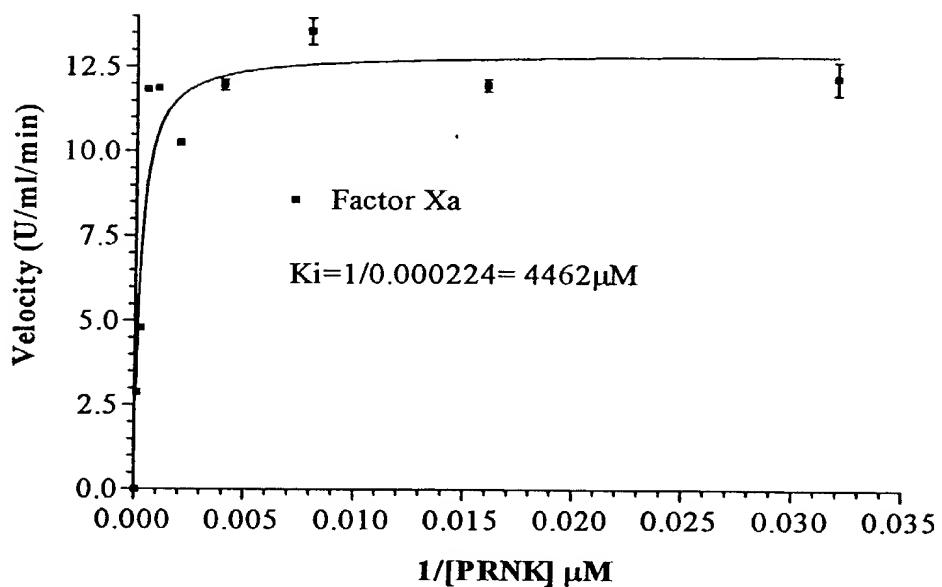


Fig. 14